ABSTRACT OF THE DISCLOSURE

An insulation product contains a layer of textile, rotary and/or flame attenuated fibers. A process for manufacturing the insulation product includes passing fibrous bundles of one or more of textile fibers and of rotary and/or flame attenuated fibers together through an apparatus that separates the fibers and the mixes the separated fibers. The bundles of rotary and/or flame attenuated fibers can be in the form of specially manufactured mats and/or can be production scraps. The resulting mixture of fibers is formed into a non-woven batt, mat, blanket, or board. The process provides homogeneous fiber product with an improved appearance. The textile fibers can enhance thickness recovery of compressed product. Blends of textile glass fiber with rotary and/or flame attenuated glass fiber exhibit an improved combination of thermal and acoustic insulating performance and adequate strength, at a low production cost.